

LArSoft cvs (legacy site) - Bug #375

ADC Filter is specific to argoneut

03/26/2010 10:46 AM - Brian Rebel

Status:	Closed	Start date:	03/26/2010
Priority:	Urgent	Due date:	
Assignee:	Brian Page	% Done:	0%
Category:	Event Display	Estimated time:	0.00 hour
Target version:			
Description			
Line 52 in the Filter/ADC_Filter.cxx file has a non-tunable parameter,			
<pre>if((fabs(*max_iter)-400)>=fThreshold) (fabs(*min_iter)-400)>=fThreshold){</pre>			
namely the expected pedestal for a digit. The 400 in the above line should be replaced with an fPedestal value that is set depending on the experiment, ie from the xml file.			
This is also a problem for the Monte Carlo, where the pedestal for the digits is simply assumed to be zero when they are created (pedestals are arbitrary anyway). That means that the event display does not filter Monte Carlo events properly.			

History

#1 - 04/06/2010 11:35 AM - Brian Rebel

- Status changed from New to Assigned

I went ahead and added a data member called fPedestal and changed the 400 above to fPedestal

The issue of how to specify MC vs data, uboone vs argoneut, etc is not resolved.

#2 - 05/10/2011 04:20 PM - Brian Page

- Status changed from Assigned to Closed

This filter is no longer needed and hasn't been included in the Art version.

#3 - 10/08/2013 06:51 PM - Erica Snider

- Project changed from LArSoft to LArSoft cvs (legacy site)

- Category changed from Event Display to Event Display